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| **Monday** | **Tuesday**  **UNIT PLAN**  **SCH3U**  **Topic: Chemical Reactions** | **Wednesday** | **Thursday** | **Friday** |
| **1**  **Review - Electronegativity + IUPAC**  **Intro to Chemical Reactions**  **Minds On: Chemical Reactions Video + Placemat Activity**  **AfL – Prior Knowledge**  **SE- C2.1, C2.2** | **2**  **Review on Chemical Bonding & Intro to terminology** (products, reactants, reagents)  **Introduction to STSE Blog Assignment**  **SE- C2.1** | **3**  **Review on IUPAC nomenclature**    **SE- C2.2, 2.3, 2.4, 2.5, 2.6** | **4**  **Balancing chemical equations + Worksheet to practice**  **AfL/AaL – Worksheet**  **SE- C2.2, 2.4, 2.5, 2.6** | **5**  **Formative Quiz on Balancing Equations**  **Types of Reactions** (Synthesis, Decomposition, Single Displacement and Double Displacement)  Writing Equations to represent Types of Reactions  **SE- C2.1, 2.2, 3.1**  **Afl/AaL – Quiz** |
| **6**  **Types of Reactions** **Cont’d** Metal & Halogen Single Displacements, Products of double displacements (ppt, gas, neutralization)  **SE- C2.5, C2.6** | **7**  **Types of Reactions Cont.** Neutralization (acids + bases) & Combustion, Demo on Combustion  **AfL/AaL - Assign Problem Set (Worksheet on Recognizing Reactions in Groups**)  **SE- C2.7, C3.1** | **8**  **Take up worksheet on Recognizing Reactions**  **Formative Quiz on Types of Reactions**  **AfL – Quiz**  **SE- C2.2, 2.4, 2.5, 2.6** | **9**  **Intro to Lab: Investigating Chemical Reactions**  **STSE Blog Entry Due**  **Activity 1: Chemical Reactions Jigsaw**  **AfL- Pre-lab Questions**  **AfL- Jigsaw Activity**  **SE- A1.3** | **10**  **Experiment 1: Investigating Chemical Reactions**  **AfL/AaL – Observation Chart + Discussion Questions**  **SE-A1.5, A1.6, C2.3, C2.10** |
| **11**  **Discussion and Analysis of Experiment 1 + Wrap Up**  **SE-A1.11, C1.1, C2.3, C2.10** | **12**  **Metal and Non-metal Oxides**  -Properties of Oxides  -Acidic/ Basic Oxides  **SE- C2.4, C3.3** | **13**  **Case Study and Class Discussion:** Chemical Reactions and Industrial applications, environmental applications  **AfL- Participation in Class Discussion**  **SE – C1.1, C1.2, A2.2** | **14**  **Video on Environmental Impacts** **of Chemical Reactions (Fill out handout-Formative Check)**  **Peer Assessment for Lab Report**  **AfL- Worksheet**  **AaL- Peer Assessment**  **SE-A2.2, C1.1, C1.2,** | **15**  **Work Period** in Computer Lab for STSE BlogResponses  **Formal Lab Report Due**  **AoL – Lab Report**  **SE-A1.11, C1.1, C1.2** |
| **16**  **Review for Test**  **Activity 2: Games Tournament- Pick A Card**  **STSE Blog Responses Due**  **AfL/AaL - Review Activity** | **17**  **Review for Test** | **18**  **Unit Test**  **AoL- Unit Test** |  |  |

**Legend:**

**Blue – Introduction to Unit + IUPAC Naming + Balancing Equations**

**Pink – Types of Chemical Reactions**

**Green- Relating Science to STSE**

**Yellow – Review for Test**